

# UMK-16RM/KSR-G24/21/TVFKC - Relay module



2908733

<https://www.phoenixcontact.com/us/products/2908733>

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VARIOFACE output module, with 16 miniature relays, 1 changeover contact each, plugged, for 24 V DC (basic module, including relays)

## Commercial data

Item number	2908733
Packing unit	1 pc
Minimum order quantity	20 pc
Product key	DK2A9A
GTIN	4055626324517
Weight per piece (including packing)	654 g
Weight per piece (excluding packing)	654 g
Country of origin	DE

## Technical data

### Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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### Product properties

Product type	Relay Module
Mechanical service life	3x 10 <sup>7</sup> cycles

#### Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

#### Insulation characteristics: Air and creepage distances, output/output

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

#### Air clearances and creepage distances, input/output

Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 µs)

#### Air and creepage distances, output/output

Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 µs)

### Input data

Nominal input voltage U <sub>N</sub>	24 V DC
Input voltage range in reference to U <sub>N</sub>	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Typical input current at U <sub>N</sub>	18 mA
Typical response time	8 ms
Typical release time	12 ms
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

### Output data

#### Switching

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Contact switching type	Single contact, 1 changeover contact
Contact material	AgNi (90/10) gold-plated
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC (10 mA)
Limiting continuous current	5 A
Min. switching current	10 mA (12 V AC/DC)
Interrupting rating (ohmic load) max.	120 W (24 V DC)
	58 W (48 V DC)
	48 W (60 V DC)
	50 W (110 V DC)
	80 W (220 V DC)
	1250 VA (250 V AC)

## Connection data

### Input

Connection method	Flat-ribbon cable connector in acc. with IEC 60603-13
Number of connections	1
Number of positions	50

### Output

Connection method	Push-in spring connection
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 16

### Extension module

Connection method	Flat-ribbon cable connector in acc. with IEC 60603-13
Number of connections	1
Number of positions	20

## Dimensions

Width	259 mm
Height	77 mm
Depth	59 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Altitude	≤ 2000 m

## Standards and regulations

Air clearances and creepage distances, input/output

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Standards/regulations	DIN EN 50178: 1998-04
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Air and creepage distances, output/output

Standards/regulations	DIN EN 50178: 1998-04
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

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## Classifications

### UNSPSC

UNSPSC 21.0	39121432
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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